

M. Jung

1644

#6

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/989,362

DATE: 10/15/98
TIME: 11:13:58

INPUT SET: S29156.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Gorman, Daniel M.
6 Mattson, Jeanine D.
7
8 (ii) TITLE OF INVENTION: Mammalian Cell Surface Antigens; Related
9 Reagents
10
11 (iii) NUMBER OF SEQUENCES: 2
12
13 (iv) CORRESPONDENCE ADDRESS:
14 (A) ADDRESSEE: DNAX Research Institute
15 (B) STREET: 901 California Avenue
16 (C) CITY: Palo Alto
17 (D) STATE: California
18 (E) COUNTRY: USA
19 (F) ZIP: 94304-1104
20
21 (v) COMPUTER READABLE FORM:
22 (A) MEDIUM TYPE: Floppy disk
23 (B) COMPUTER: IBM PC compatible
24 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
25 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
26
27 (vi) CURRENT APPLICATION DATA:
28 (A) APPLICATION NUMBER: US
29 (B) FILING DATE: 12-DEC-1997
30 (C) CLASSIFICATION:
31
32 (vii) PRIOR APPLICATION DATA:
33 (A) APPLICATION NUMBER: US 60/032,846
34 (B) FILING DATE: 13-DEC-1996
35
36 (viii) ATTORNEY/AGENT INFORMATION:
37 (A) NAME: Ching, Edwin P.
38 (B) REGISTRATION NUMBER: 34,090
39 (C) REFERENCE/DOCKET NUMBER: DX0686
40
41 (ix) TELECOMMUNICATION INFORMATION:
42 (A) TELEPHONE: (650)852-9196
43 (B) TELEFAX: (650)496-1204
44
45
46 (2) INFORMATION FOR SEQ ID NO:1:

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INPUT SET: S29156.raw

47
48 (i) SEQUENCE CHARACTERISTICS:
49 (A) LENGTH: 2191 base pairs
50 (B) TYPE: nucleic acid
51 (C) STRANDEDNESS: single
52 (D) TOPOLOGY: linear
53
54 (ii) MOLECULE TYPE: cDNA
55
56
57 (ix) FEATURE:
58 (A) NAME/KEY: CDS
59 (B) LOCATION: 125..1072
60
61
62 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
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64 GCCAGGGACCT CTGTGAACCG GTCGGGCGG GGGCCGCCTG GCCGGGAGTC TGCTCGGCGG 60
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66 TGGGTGGCCG AGGAAGGGAG AGAACGATCG CGGAGCAGGG CGCCCGAACT CGGGGGCGCG 120
67
68 CGCC ATG CGC CGG GCC AGC CGA GAC TAC GGC AAG TAC CTG CGC AGC TCG 169
69 Met Arg Arg Ala Ser Arg Asp Tyr Gly Lys Tyr Leu Arg Ser Ser
70 1 5 10 15
71
72 GAG GAG ATG GGC AGC GGC CCC GGC GTC CCA CAC GAG GGT CCG CTG CAC 217
73 Glu Glu Met Gly Ser Gly Pro Gly Val Pro His Glu Gly Pro Leu His
74 20 25 30
75
76 CCC GCG CCT TCT GCA CCG GCT CCG GCG CCG CCA CCC GCG CCC TCC CGC 265
77 Pro Ala Pro Ser Ala Pro Ala Pro Pro Pro Ala Ala Ser Arg
78 35 40 45
79
80 TCC ATG TTC CTG GCC CTC CTG GGG CTG GGA CTG GGC CAG GTG GTC TGC 313
81 Ser Met Phe Leu Ala Leu Gly Leu Gly Leu Gly Gln Val Val Cys
82 50 55 60
83
84 AGC ATC GCT CTG TTC CTG TAC TTT CGA GCG CAG ATG GAT CCT AAC AGA 361
85 Ser Ile Ala Leu Phe Leu Tyr Phe Arg Ala Gln Met Asp Pro Asn Arg
86 65 70 75
87
88 ATA TCA GAA GAC AGC ACT CAC TGC TTT TAT AGA ATC CTG AGA CTC CAT 409
89 Ile Ser Glu Asp Ser Thr His Cys Phe Tyr Arg Ile Leu Arg Leu His
90 80 85 90 95
91
92 GAA AAC GCA GGT TTG CAG GAC TCG ACT CTG GAG AGT GAA GAC ACA CTA 457
93 Glu Asn Ala Gly Leu Gln Asp Ser Thr Leu Glu Ser Glu Asp Thr Leu
94 100 105 110
95
96 CCT GAC TCC TGC AGG AGG ATG AAA CAA GCC TTT CAG GGG GCC GTG CAG 505
97 Pro Asp Ser Cys Arg Arg Met Lys Gln Ala Phe Gln Gly Ala Val Gln
98 115 120 125
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RAW SEQUENCE LISTING
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104	GCT ATG ATG GAA GGC TCA TGG TTG GAT GTG GCC CAG CGA GGC AAG CCT	601
105	Ala Met Met Glu Gly Ser Trp Leu Asp Val Ala Gln Arg Gly Lys Pro	
106	145 150 155	
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108	GAG GCC CAG CCA TTT GCA CAC CTC ACC ATC AAT GCT GCC AGC ATC CCA	649
109	Glu Ala Gln Pro Phe Ala His Leu Thr Ile Asn Ala Ala Ser Ile Pro	
110	160 165 170 175	
111		
112	TCG GGT TCC CAT AAA GTC ACT CTG TCC TCT TGG TAC CAC GAT CGA GGC	697
113	Ser Gly Ser His Lys Val Thr Leu Ser Ser Trp Tyr His Asp Arg Gly	
114	180 185 190	
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116	TGG GCC AAG ATC TCT AAC ATG ACG TTA AGC AAC GGA AAA CTA AGG GTT	745
117	Trp Ala Lys Ile Ser Asn Met Thr Leu Ser Asn Gly Lys Leu Arg Val	
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120	AAC CAA GAT GGC TTC TAT TAC CTG TAC GCC AAC ATT TGC TTT CGG CAT	793
121	Asn Gln Asp Gly Phe Tyr Tyr Leu Tyr Ala Asn Ile Cys Phe Arg His	
122	210 215 220	
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124	CAT GAA ACA TCG GGA AGC GTA CCT ACA GAC TAT CTT CAG CTG ATG GTG	841
125	His Glu Thr Ser Gly Ser Val Pro Thr Asp Tyr Leu Gln Leu Met Val	
126	225 230 235	
127		
128	TAT GTC GTT AAA ACC AGC ATC AAA ATC CCA AGT TCT CAT AAC CTG ATG	889
129	Tyr Val Val Lys Thr Ser Ile Lys Ile Pro Ser Ser His Asn Leu Met	
130	240 245 250 255	
131		
132	AAA GGA GGG AGC ACG AAA AAC TGG TCG GGC AAT TCT GAA TTC CAC TTT	937
133	Lys Gly Gly Ser Thr Lys Asn Trp Ser Gly Asn Ser Glu Phe His Phe	
134	260 265 270	
135		
136	TAT TCC ATA AAT GTT GGG GGA TTT TTC AAG CTC CGA GCT GGT GAA GAA	985
137	Tyr Ser Ile Asn Val Gly Gly Phe Phe Lys Leu Arg Ala Gly Glu Glu	
138	275 280 285	
139		
140	ATT AGC ATT CAG GTG TCC AAC CCT TCC CTG CTG GAT CCG GAT CAA GAT	1033
141	Ile Ser Ile Gln Val Ser Asn Pro Ser Leu Leu Asp Pro Asp Gln Asp	
142	290 295 300	
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144	GCG ACG TAC TTT GGG GCT TTC AAA GTT CAG GAC ATA GAC TGAGACTCAT	1082
145	Ala Thr Tyr Phe Gly Ala Phe Lys Val Gln Asp Ile Asp	
146	305 310 315	
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148	TTCGTGGAAC ATTAGCATGG ATGTCCTAGA TGTTTGGAAA CTTCTTAAAA AATGGATGAT	1142
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150	GTCTATACAT GTGTAAGACT ACTAAGAGAC ATGGCCACG GTGTATGAAA CTCACAGCCC	1202
151		
152	TCTCTCTTGA GCCTGTACAG GTTGTGTATA TGTAAAGTCC ATAGGTGATG TTAGATTCA	1262

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/989,362DATE: 10/15/98
TIME: 11:14:00

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153 GGTGATTACA CAACGGTTT ACAATTTGT AATGATTCC TAAGAATTGA ACCAGATTGG 1322
154 GAGAGGTATT CCGATGCTTA TGAAAAACTT ACACGTGAGC TATGGAAGGG GGTCACAGTC 1382
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156 TCTGGGTCTA ACCCCTGGAC ATGTGCCACT GAGAACCTTG AAATTAAGAA GATGCCATGT 1442
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158 CATTGCAAAG AAATGATAGT GTGAAGGGTT AAGTTCTTTT GAATTGTTAC ATTGCGCTGG 1502
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160 GACCTGCAAA TAAGTTCTTT TTTCTAATG AGGAGAGAAA AATATATGTA TTTTTATATA 1562
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162 ATGTCTAAAG TTATATTTCA GGTGTAATGT TTTCTGTGCA AAGTTTGTA AATTATATTT 1622
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164 GTGCTATAGT ATTTGATTCA AAATATTTAA AAATGTCTCA CTGTTGACAT ATTTAATGTT 1682
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166 TTAAATGTAC AGATGTATTT AACTGGTGCA CTTTGTAAATT CCCCTGAAGG TACTCGTAGC 1742
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168 TAAGGGGGCA GAATACTGTT TCTGGTGACC ACATGTAGTT TATTCTTTA TTCTTTTAA 1802
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170 CTTAATAGAG TCTTCAGACT TGTCAAAACT ATGCAAGCAA AATAAATAAA TAAAAATAAA 1862
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172 ATGAATATCT TGAATAATAA GTAGGATGTT GGTCACCAGG TGCCTTTCAA ATTTAGAAC 1922
173
174 TAATTGACTT TAGGAGCTGA CATGCCAAA AAGGATACAT AATAGGCTAC TGAAAATCTG 1982
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176 TCAGGAGTAT TTATGCAATT ATTGAACAGG TGTCTTTTT TACAAGAGCT ACAAAATTGTA 2042
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178 AATTTGTTT CTTTTTTTC CCATAGAAAA TGTACTATAG TTTATCAGCC AAAAAACAAT 2102
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180 CCACTTTTA ATTTAGTGAAGTTATTTA TTATACTGTA CAATAAAAGC ATTGTTCTG 2162
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182 AATGGCATT TTTGGTACTT AAAAATGGC 2191
183
184
185
186
187 (2) INFORMATION FOR SEQ ID NO:2:
188
189 (i) SEQUENCE CHARACTERISTICS:
190 (A) LENGTH: 316 amino acids
191 (B) TYPE: amino acid
192 (D) TOPOLOGY: linear
193
194 (ii) MOLECULE TYPE: protein
195
196 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
197
198 Met Arg Arg Ala Ser Arg Asp Tyr Gly Lys Tyr Leu Arg Ser Ser Glu
199 1 5 10 15
200
201 Glu Met Gly Ser Gly Pro Gly Val Pro His Glu Gly Pro Leu His Pro
202 20 25 30
203
204 Ala Pro Ser Ala Pro Ala Pro Pro Pro Ala Ala Ser Arg Ser
205 35 40 45

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/989,362DATE: 10/15/98
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210 Ile Ala Leu Phe Leu Tyr Phe Arg Ala Gln Met Asp Pro Asn Arg Ile
211 65 70 75 80
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213 Ser Glu Asp Ser Thr His Cys Phe Tyr Arg Ile Leu Arg Leu His Glu
214 85 90 95
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216 Asn Ala Gly Leu Gln Asp Ser Thr Leu Glu Ser Glu Asp Thr Leu Pro
217 100 105 110
218
219 Asp Ser Cys Arg Arg Met Lys Gln Ala Phe Gln Gly Ala Val Gln Lys
220 115 120 125
221
222 Glu Leu Gln His Ile Val Gly Pro Gln Arg Phe Ser Gly Ala Pro Ala
223 130 135 140
224
225 Met Met Glu Gly Ser Trp Leu Asp Val Ala Gln Arg Gly Lys Pro Glu
226 145 150 155 160
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228 Ala Gln Pro Phe Ala His Leu Thr Ile Asn Ala Ala Ser Ile Pro Ser
229 165 170 175
230
231 Gly Ser His Lys Val Thr Leu Ser Ser Trp Tyr His Asp Arg Gly Trp
232 180 185 190
233
234 Ala Lys Ile Ser Asn Met Thr Leu Ser Asn Gly Lys Leu Arg Val Asn
235 195 200 205
236
237 Gln Asp Gly Phe Tyr Tyr Leu Tyr Ala Asn Ile Cys Phe Arg His His
238 210 215 220
239
240 Glu Thr Ser Gly Ser Val Pro Thr Asp Tyr Leu Gln Leu Met Val Tyr
241 225 230 235 240
242
243 Val Val Lys Thr Ser Ile Lys Ile Pro Ser Ser His Asn Leu Met Lys
244 245 250 255
245
246 Gly Gly Ser Thr Lys Asn Trp Ser Gly Asn Ser Glu Phe His Phe Tyr
247 260 265 270
248
249 Ser Ile Asn Val Gly Gly Phe Phe Lys Leu Arg Ala Gly Glu Glu Ile
250 275 280 285
251
252 Ser Ile Gln Val Ser Asn Pro Ser Leu Leu Asp Pro Asp Gln Asp Ala
253 290 295 300
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255 Thr Tyr Phe Gly Ala Phe Lys Val Gln Asp Ile Asp
256 305 310 315
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258

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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/989,362

DATE: 10/15/98
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INPUT SET: S29156.raw

Line	Error	Original Text
28	Wrong application Serial Number	(A) APPLICATION NUMBER: US